

Material Safety Data Sheet**Product: HEAVY DUTY TILE & GROUT CLEANER**

Manufacturer:

AQUA MIX INC.

9419 ANN STREET

SANTA FE SPRINGS, CA 90670

Information Phone: 800-366-6877

**24-HR. CHEMICAL EMERGENCIES
SPILL, LEAK, and FIRE EXPOSURES
CHEMTREC: 800-424-9300****SECTION I – PRODUCT IDENTITY****Trade Name: HEAVY DUTY TILE & GROUT CLEANER****SECTION II – HAZARDOUS INGREDIENTS**

Sodium Hydroxide	< 4.5% (See Note 1)	CAS #: 1310-73-2
Common names:	Caustic Soda	Exposure Limits:
		OSHA PEL: 2mg/m ³
		ACGIH TLV: 2mg/m ³

Glycol Ether (EGMBE)	< 2.5% (See Note: 1, 2, 3, 4, 5)	CAS #: 111-76-2
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Common name: Ethylene Glycol Monobutyl Ether; 2-Butoxyethanol; Butyl Oxitol; Butyl Cellosolve

Exposure Limits:	OSHA PEL: 50 ppm: 240 mg/m ³ : skin
	ACGIH TLV: 25 ppm: 121 mg/m ³ : skin

Hazard Rating:

FIRE – 0	REACTIVITY – 1	Health – 3
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4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

** These values are obtained using the guidelines from the National Fire Protection Association or the National Paint and Coating Association

SECTION III – PHYSICAL & CHEMICAL DATA

Boiling Point:	212°F/100°C	Melting Point:	N/A
Vapor Pressure (mmHg):	30mm	Solubility in H₂O:	Infinite
Specific Gravity (H₂O = 1):	1.03	Evaporation Rate (Butyl Acetate = 1):	<1
pH:	13.5	Vapor Density:	N/A
Appearance & Odor:	Clear orange liquid, acrid detergent odor.	VOC (g/L)	25

SECTION IV – FIRE & EXPLOSION DATA

Flash Point:	None	Open/Closed: N/A
Flammable Limits:	LEL: Not Applicable	UEL: Not Applicable
Fire extinguishing materials:	Use appropriate agent for surrounding materials.	
Special fire fighting procedures:	None	
Unusual fire & explosion hazards:	None	

SECTION V – REACTIVITY DATA**Stability:** Stable**Incompatibility (Materials to avoid):** Acids**Hazardous byproducts of decomposition/combustion:** None**Hazardous polymerization:** Will not occur.**SECTION VI – HEALTH HAZARD DATA**Routes of Exposure & Effects

Skin:	Brief contact will dry the skin. Prolonged or repeated contact will cause irritation, redness, drying.
Eye:	Liquid and mists will irritate the eyes and may cause tearing or burning.
Ingestion:	Ingestion may cause burning of throat and irritation of the digestive tract.
Inhalation:	Vapors or mists may irritate the nose or throat. Inhaling high concentrations may cause nausea or dizziness.

Acute & Chronic Overexposure Effects

Acute:	May cause mild to moderate irritation to eyes, skin, or respiratory tract, or burning to mucous membranes.
Chronic:	Unnecessary exposure should be avoided.

Medical Conditions Generally Aggravated by Exposure: None Known.Toxicity Data

No components listed as carcinogenic components with: NTP, IARC

Sodium hydroxide and glycol ether (EGMBE) are on the OSHA Subpart Z lists**EMERGENCY & FIRST AID PROCEDURES:**

EYES:	Immediately flush eyes with copious amounts of water. If irritation persists, seek medical attention.
SKIN:	Wash with soap and water. If irritation persists seek medical attention.
INHALATION:	Relocate to fresh air. If symptoms persist, seek medical attention.
INGESTION:	DO NOT INDUCE VOMITING! Drink 1 or 2 glasses of water. If spontaneous vomiting is inevitable, prevent aspiration by keeping the victim's head below knees. Seek immediate medical attention.


Material Safety Data Sheet**Product: HEAVY DUTY TILE & GROUT CLEANER****SECTION VII – PERSONAL PROTECTION**


Ventilation & Exhaust: No special requirements.
Respiratory Protection: If spraying or atomizing, wear NIOSH approved high-efficiency respirator rated for mists, dusts or particulates.
Eye Protection: Avoid eye contact. Wear goggles, face-shield or safety glasses.
Gloves: Wear rubber, nitrile or latex gloves. Use as necessary to prevent skin contact.
Other Clothing or Equipment: Use aprons or clothing necessary to prevent skin contact. Do not allow clothing to become soaked with material.
Work/Hygienic Practice: Normal, safe work practices should be exercised when using this product.

SECTION VIII – SAFE HANDLING & USE

Storage & Handling: Store in a cool, dry location away from acids
Spills or leaks: Soak up with compatible absorbent material (sand, clay litter, diatomaceous earth).
Waste Disposal: Dispose materials in accordance with all applicable local, state and federal regulations.

SECTION IX – REGULATORY & SHIPPING

EPA Reg. No.: Not Regulated **EPA Est. No.:** Not Regulated
Hazardous Materials Descriptions and Proper Shipping Names: Caustic Alkali Liquids, n.o.s. (Sodium Hydroxide < 4.5%)
Hazard Class: 8, Corrosive
Packaging Groups: II, III
UN Identification - 1719 (See M )
IATA Instructions - II: 154, 202, 241 III: 154, 203, 241
Special Provisions - II: B2, IB2, T11, TP2, TP27 III: IB3, T7, TP1, TP28
Packaging - Exceptions: 154, 154 Non-Bulk: 202, 203 Bulk: 242, 241
Quantity Limitations - Passenger: 1L, 5L Cargo: 5L, 60L
Vessel Stowage - Location: A Other: N/A

UK/EC Labeling: **Symbol:**  **Xn; C-Harmful; Corrosive** **Risk Phrase:** **R: 34** **Safety Phrase:** S:(1/2-) 24/25-36/37/39
TEC: (R)-121 **ICSC: 0360**
North American Emergency Response Guide #: 154

The ingredients from Section II are subject to the following reporting requirements:

MA – Massachusetts Hazardous Substance List, NJ – The New Jersey Right-To-Know Hazardous Substance List, PA – The Pennsylvania Hazardous Substance List

SECTION X – OTHER INFORMATION

The aforementioned is believed to be correct as of the date hereof; however, no warranty is made, express or implied, regarding the accuracy of this document, since the information contained herein may be applied under conditions beyond our control and under conditions with which we may be unfamiliar. Since data made available subsequent to the date hereof may suggest modification of the information, recipients are advised to determine in advance the suitability of the material for their precise purposes and on the condition that they assume the risk of use thereof.

Notes (Not intended to be all inclusive):

- Note 1: This chemical may be subject to the reporting requirements of Section 313 of SARA TITLE III.
Note 2: Ingredient on Massachusetts Hazardous Substance & Extraordinarily Hazardous Substances List.
Note 3: Ingredient on the Pennsylvania Hazardous Substance and Special Hazardous Substances Lists.
Note 4: This chemical may be subject to the provisions of WHMIS in Canada.
Note 5: This chemical may be absorbed through the skin, eyes, or mucous membranes contributing to overall exposure.
Note 6: Also, ORM-D; quantity limit restrictions.

Abbreviations (if used):

OSHA Occupational Safety and Health Administration
PEL Permissible Exposure Limits
ACGIH American Conference of Governmental Industrial Hygienists
TLV Threshold Limit Value
NTP National Toxicology Program
IARC Int'l Agency for Research on Cancer Monographs
WHMIS Workplace Hazardous Material Information System
TEC Transportation Emergency Card (Tremcard)
ICSC International Chemical Safety Cards

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